LISTING OF THE CLAIMS

1. (Currently amended) A process for producing a particulate support for an olefin polymerization catalyst, ~~wherein a solution of a magnesium compound is contacted with a solution of an element of Group 13 or 14 of the Periodic Table (IUPAC) to obtain a solid reaction product, characterized in that the solid reaction product is formed by:~~ the process comprising,

~~(i) contacting (a)~~adding a solution of a magnesium ~~hydrocarbyloxy~~ compound of a formula (I):

$$Mg(OR_2)_{2-n-x}(R_1)_nX_x$$

(I)

wherein each R_1 and R_2 independently represent a C_{1-20} hydrocarbyl group; X is a halogen; $0.1 \leq n < 2$ and may or may not be an integer; $x < 2$ and may or may not be an integer; the sum of (2-n), n, and x is 2 ~~with (b)~~ to a solution of a ~~halogen-containing~~ compound of formula (II):

$$Al(R_1)_yY_{3-y}$$

(II)

wherein each R_1 independently represents a C_{1-20} hydrocarbyl group; Y is chloride and $0 \leq y < 3$ ~~an element of Group 13 or 14 of the Periodic Table (IUPAC)~~ to ~~form a liquid reaction mixture~~obtain a solid reaction product in a liquid reaction medium; ~~and~~

recovering the solid ~~solidified~~ reaction product ~~from the reaction mixture~~ by separating the solid reaction product from the liquid reaction medium; and

~~/or by~~ washing the solid reaction product with a wash solution until ~~to adjust~~ the molar ratio of ~~the element of Group 13 or 14 of the Periodic Table~~aluminum to magnesium ~~in the obtained reaction product material to~~has a value of at least 0.3.

2. (Cancelled)

3. (Currently amended) The process according to claim 1, wherein the molar ratio of ~~the element of Group 13 or 14 of the Periodic Table~~ aluminum to magnesium ~~in the obtained reaction product material is adjusted to~~ has a value of 0.4 ≤ ~~halogen-containing compound of an element of Group 13 or 14:Mg~~aluminum:magnesium ≤ 1.1.

4. (Cancelled)

5. (Currently amended) The process according to Claim 1~~claim 4~~, wherein the wash solution is an inert linear or branched aliphatic, alicyclic or aromatic C_{5-20} hydrocarbon or any mixtures thereof~~hydrocarbon selected from a linear or branched aliphatic, alicyclic or aromatic C_{5-20} hydrocarbon or any mixtures thereof~~.

6. - 8. (Cancelled)

9. (Currently amended) The process according to Claim 1~~claim 8~~, wherein the compound of formula (II) is a dialkyl aluminum chloride selected from the group consisting of dimethyl aluminum chloride, diethyl aluminum chloride, and diisobutyl aluminum chloride, or the compound of formula (II) is a alkyl aluminum dichloride selected from the group consisting of methyl aluminum dichloride and ethyl aluminum dichloride.

10. (Currently amended) The process according to claim 1, wherein the magnesium ~~hydrocarbyloxy~~ compound is of formula (I):

$$Mg(OR_2)_{2-n}(R_1)_n \quad \sim\sim Mg(OR_1)_{2-n}(R_1)_nX_x \sim\sim \quad (I),$$

wherein each R_1 and R_2 independently represents a C_{1-20} hydrocarbyl group; ~~X is a halogen;~~ and $0 \leq n < 2$ and may or may not be an integer~~; and x is 0~~.

11. (Currently amended) The process according to Claim 1 ~~claim 2~~, wherein the solution of the magnesium ~~hydrocarbyloxy~~ compound (I) is a reaction mixture prepared by contacting in an inert hydrocarbon solvent or any mixtures thereof (a) a magnesium alkyl of formula $Mg(R_1)_2$ (III), wherein each R_1 independently represents a C_{1-20} hydrocarbyl group, with (b) an alcohol of formula R_2OH [[R_1OH]], wherein [[R_1]] R_2 represents a C_{1-20} hydrocarbyl group.

12. (Previously presented) The process according to claim 11, wherein the magnesium alkyl compound (III) is butyloctylmagnesium.

13. (Currently amended) The process according to claim 11, wherein the alcohol R_2OH [[R_1OH]] is 2-ethyl-1-hexanol.

14. (Previously presented) The process according to claim 12, wherein butyloctylmagnesium in an inert hydrocarbon solvent or any mixtures thereof is contacted with 2-ethyl-1-hexanol and the obtained solution is added to a solution of ethyl aluminum dichloride in an inert hydrocarbon solvent or any mixtures thereof to form a solid reaction product.

15. (Currently amended) A solid catalyst support for an olefin polymerization catalyst ~~obtainable~~ obtained by the method of claim 1.

16. (Cancelled)

17. (Currently amended) A solid catalyst support for an olefin polymerization catalyst comprising a separated and/or washed solid reaction product of (a) a magnesium ~~hydrocarbyloxy~~compound of formula (I) and (b) ~~a halogen-containing compound of an element of Group 13 or 14 of the Periodic Table (IUPAC)~~ an aluminum compound of formula (II), wherein the molar ratio of ~~the element of Group 13 or 14~~aluminum to magnesium in said support is ≥ 0.3.

18. (Currently amended) A solid catalyst support according to claim 17, which comprises a separated and/or washed solid reaction product of (a) a reaction mixture of a solution of magnesium alkyl of formula $Mg(R_1)_2$~~$Mg(R_1)_2$~~ (III), wherein each R_1 independently represents a C_{1-20} hydrocarbyl group, with an alcohol of formula R_2OH [[R_1OH]], wherein [[R_1]] R_2 ~~independently~~ represents a C_{1-20} hydrocarbyl group, in an inert hydrocarbon solvent or any mixtures thereof; and (b) a solution of formula AlY_3 ~~$Al(R_1)_xX_{3-x}$~~ wherein ~~each each R_1 independently represents a C_{1-20} hydrocarbyl group;~~ [[X]] Y is a halogen~~; and x is 0~~, in an inert hydrocarbon solvent or any mixtures thereof.

19. (Previously presented) The solid catalyst support according to claim 18, wherein the molar ratio of Al:Mg in said support is ≥ 0.4.

20. (Currently amended) The solid support according to claim 18, wherein in the alcohol of formula [[R_1OH]]R_2OH, [[R_1]] R_2 is a C_{3-15} cycloalkyl or branched or unbranched C_{3-15} alkyl.

21. (Currently amended) A process for producing a Ziegler-Natta catalyst component for olefin polymerization comprising treating, in an inert solvent, the solid catalyst support according to claim 15, with a transition metal compound of Group ~~3 to 10~~4 to 6 of the Periodic Table (IUPAC).

22. (Previously presented) The process according to claim 21, wherein the transition metal compound is a tetravalent titanium compound.

23. (Currently amended) The process according to claim 22, wherein the transition metal compound is titanium tetrachloride (~~$TiCl_4$~~$TiCl_4$).

24. (Previously presented) The process according to claim 23, wherein $TiCl_4$ is used in a molar ratio of 1-0.5 mol to one mol of Mg present in the support.

25. (Currently amended) [[The]] A process for (co)polymerizing an olefin, ~~using~~ wherein the catalyst component produced according to claim 21 is contacted with the olefin.

26. (Currently amended) The process of claim 1, wherein the molar ratio of ~~the element of Group 13 or 14 of the Periodic Table~~aluminum to magnesium in the obtained reaction product material ~~is adjusted to~~has a value of at least 0.4.

27. (Currently amended) The process of claim 3, wherein the molar ratio of ~~the element of Group 13 or 14 of the Periodic Table~~aluminum to magnesium in the obtained reaction product material ~~is adjusted to~~has a value of $0.6 \leq$ ~~halogen-containing compound of an element of Group 13 or 14:Mg~~aluminum:magnesium ≤ 0.99.

28. (Cancelled)

29. (Currently amended) The process of Claim 26~~claim 28~~, wherein the wash solution is an inert linear or branched aliphatic, alicyclic or aromatic C_{5-20} hydrocarbon or any mixtures thereof~~hydrocarbon selected from a linear or branched aliphatic, alicyclic or aromatic C_{5-20} hydrocarbon or any mixtures thereof~~.

30. (Currently amended) The process of claim 5, wherein the washing step is carried out [[in]] at a temperature between 40 to 80°C.

31. (Currently amended) The process of claim 29, wherein the washing step is carried out [[in]] at a temperature between 40 to 80°C.

32. (Currently amended) The process of claim 10, wherein the solution of the magnesium hydrocarbyloxy compound (I) is a reaction mixture prepared by contacting in an inert hydrocarbon solvent or any mixtures thereof (a) a magnesium alkyl of formula $Mg(R_1)_2$ (III), wherein each R_1 independently represents a C_{1-20} hydrocarbyl group, with (b) an alcohol of formula $[[R_1OH]]\underline{R_2OH}$, wherein $[[R_1]]$ $\underline{R_2}$ represents a C_{1-20} hydrocarbyl group.

33. (Previously presented) The process of claim 32, wherein the magnesium alkyl compound (III) is butyloctylmagnesium.

34. (Currently amended) The process of claim 12, wherein the alcohol $[[R_1OH]]\underline{R_2OH}$ is 2-ethyl-1-hexanol.

35. (Currently amended) The process of claim 32, wherein the alcohol $[[R_1OH]]\underline{R_2OH}$ is 2-ethyl-1-hexanol.

36. (Currently amended) The process of claim 33, wherein the alcohol $[[R_1OH]]\underline{R_2OH}$ is 2-ethyl-1-hexanol.

37. (Previously presented) The process according to claim 33, wherein butyloctylmagnesium in an inert hydrocarbon solvent or any mixtures thereof is contacted with 2-ethyl-1-hexanol and the obtained solution is added to a solution of ethyl aluminum dichloride in an inert hydrocarbon solvent or any mixtures thereof to form a solid reaction product.

38. (Previously presented) The process of claim 11, wherein R_1 is a C_{3-15} cycloalkyl or a branched or unbranched C_{3-15} alkyl.

39. (Previously presented)The process of claim 32, wherein R_1 is a C_{3-15} cycloalkyl or a branched or unbranched C_{3-15} alkyl.

40. (Currently Amended) A solid catalyst support for an olefin polymerization catalyst ~~obtainable~~ obtained by the method of claim 26.

41. (Cancelled)

42. (Currently amended) The solid catalyst support of claim 17, wherein the molar ratio of ~~the element of Group 13 or 14~~aluminum to magnesium in said support is ≥ 0.4.

43. (Previously presented) The solid catalyst support of claim 17, wherein the separated and/or washed solid reaction product further comprises an electron donor.

44. (Previously presented) The solid catalyst support of claim 42, wherein the separated and/or washed solid reaction product further comprises an electron donor.

45. (Currently amended) A solid catalyst support according to claim 42, which comprises a separated and/or washed solid reaction product of (a) a reaction mixture of a solution of magnesium alkyl of formula $Mg(R_1)_2$~~$Mg(R_1)_2$~~ (III), wherein each R_1 independently represents a C_{1-20} hydrocarbyl group, with an alcohol of formula [[R_1OH]]R_2OH, wherein [[R_1]] R_2 ~~independently~~ represents a C_{1-20} hydrocarbyl group, in an inert hydrocarbon solvent or any mixtures thereof; and (b) a solution of formula AlY_3 ~~$Al(R_1)_xX_{3-x}$~~ wherein ~~each each R_1 independently represents a C_{1-20} hydrocarbyl group;~~ [[X]] Y is a halogen~~; and x is 0~~, in an inert hydrocarbon solvent or any mixtures thereof.

46. (Previously presented) A solid catalyst support of claim 18, wherein the molar ratio of Al:Mg in said support is $0.6 \leq Al:Mg \leq 0.99$.

47. (Cancelled)

48. (Previously presented) A solid catalyst support of claim 45, wherein the molar ratio of Al:Mg in said support is $0.6 \leq$ Al:Mg ≤ 0.99.

49. (Currently amended) The solid support according to claim 19, wherein in the alcohol of formula [[R_1OH]]R_2OH, where [[R_1]] R_2 is a C_{3-15} cycloalkyl or branched or unbranched C_{3-15} alkyl.

50. (Currently amended) The solid support according to claim 46, wherein in the alcohol of formula [[R_1OH]]R_2OH, where [[R_1]] R_2 is a C_{3-15} cycloalkyl or branched or unbranched C_{3-15} alkyl.

51. (Currently amended) The solid support according to claim 47, wherein in the alcohol of formula [[R_1OH]]R_2OH, where [[R_1]] R_2 is a C_{3-15} cycloalkyl or branched or unbranched C_{3-15} alkyl.

52. (Previously presented)The process of claim 21 further comprising treating the solid catalyst support with an electron donor.

53. (Previously presented) The process of claim 52 further comprising recovering the catalyst component.

54. (Previously presented) The process according to claim 52, wherein the transition metal compound is a tetravalent titanium compound.

55. (Previously presented) The process according to claim 53, wherein the transition metal compound is a tetravalent titanium compound.

56. (Currently amended) [[The]] A process for (co)polymerizing an olefin, ~~using~~ wherein the catalyst component produced according to claim 52 is contacted with the olefin.

57. (Currently amended) [[The]] A process for (co)polymerizing an olefin, ~~using~~ wherein the catalyst component produced according to claim 53 is contacted with the olefin.